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Date: July 7, 2003

To: Examiner Portner
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Facsimile No: 703-308-4242

From: Susan M. Michaud, Ph.D.
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Re: U.S. Serial No: 09/423,042
Applicant: Bruno Guy et al.
Art Unit: 1645
Filed: January 19, 2000
Our Reference: 06132/054001

Pages: 6, including this one

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-------------|---|---------------|------------|
| Applicant: | Bruno Guy et al. | Art Unit: | 1645 |
| Serial No.: | 09/423,042 | Examiner: | V. Portner |
| Filed: | January 19, 2000 | Customer No.: | 21559 |
| Title: | Anti-Helicobacter Vaccine Composition for Use by the Subdiaphragmatic Systemic Route, and Combined Mucosal/Parenteral Immunization Method | | |

REPLY TO FINAL OFFICE ACTION

In reply to the final Office Action that was mailed in connection with the above-captioned case on September 5, 2002, as well as the Advisory Action that was mailed on March 25, 2003, applicants submit the following Amendment and Remarks.

AMENDMENT

Kindly amend the application as follows.

In the Claims:

Please amend claim 7 to read as follows.

7. (Amended four times) The method of Claim 6, wherein a Th1-type immune response and a Th2-type immune response are induced and the immune response of said mammal is